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Date of Application, 9th Sept., 1913

(Patent of Addition to No. 26,662, 16th Nov., 1910)

Complete Specification Accepted, 30th July, 1914

# COMPLETE SPECIFICATION.

## Machine for Making Show Cards or Tickets.

I, ANATOLE LÉVEQUE, of 37, rue Montera, Paris, in the Republic of France, Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 5 The present invention relates to an improvement in or modification of the machine for making cardboard show cards or tickets according to my previous British Patent Application No. 26,662 of 1910 in which characters of coloured papers are cut out and simultaneously impressed into the cardboard constituting the show card or ticket by means of type characters having cut edges. The present invention is more particularly described with reference to the accompanying drawings in which:—

Figure 1 is a sectional elevation of the improved machine.

Figure 2 is a plan view of the same on the line  $y-y$  of Figure 1.

Figure 3 is an elevation in view partly in section of a modified form.

- 5 Figure 4 is a detail view of an operating lever, and

Figure 5 is the section of a character.

The machine consists of a base 1 on which two uprights 2 are fixed, on which a block 3 is guided by means of lugs 4. This block is supported on springs 5 coiled about the uprights 2. On the block 3 a plate 6 having two cams 7 may

- 10 slide. Two screws 9 passing through a beam 8 bear on the plate 6. The block 3 may first be caused to descend gently to a given extent by sliding the cams 7 fixed on the blade 6 beneath the screws 9, then a vigorous blow is given with the levers 10 which operates the descent of the screws 9. The strength of these blows is easily regulated by the position of the arms 11, which engage

- 5 over the polygonal heads 12 of the screws (see Figure 4). In its descending movement the block 3 bears on the type characters which are carried by a movable composing stick. This composing stick is formed of two bars, one 13 of which is fixed, and the other 14 can be displaced by means of regulating nuts 15 on two blades 16 adapted to travel up and down guided by four pins 17 and supported by springs 18 on these pins. The whole slides in suitable guides on the base 1. The regulating of the bar 14 allows type characters of different heights to be employed. In addition two bars 19 with tightening screws 20 fix the characters against any lateral displacement. They also enable wedges to be interposed when inclined type characters are used.

- 5 The composing stick has on its sides two indices 21 which travel over a scale 22. The position of the characters beneath the stamper 3 (which rests on them) may thus be regulated so as to bring them into the centre and obtain a regular pressure.

- The type characters have as usual two grooves or rabbets which fit on the bars 13 and 14, but the type characters are of a particular section. They are formed with two internal bevelled surfaces 24 and a flat bottom 25 (Figure 5). In the operation of the machine the paper will be cut clean by the type

[Price 8d.]

*Machine for Making Show Cards or Tickets.*

characters and then as these move down further they will impress these paper characters into the cardboard.

In a modified apparatus (Figure 3) eccentrics 28 may be replaced for the inclined plane 7. As shown in Figure 3 the beam 8<sup>1</sup> is fixed and a pair of screwed spindles 12<sup>1</sup> are mounted in bearings therein. The upper ends of the spindles 12<sup>1</sup> are preferably squared to engage with a polygonally cut-away opening in the spanner 10. The lower screwed parts 9<sup>1</sup> of the shafts 12<sup>1</sup> pass through stationary nuts 30 arranged at the ends of levers 27 pivoted to the block 8<sup>1</sup> at 26. The eccentrics 28 are mounted on the levers 27 by means of pivots 29. The rest of the apparatus is identical with that previously described with reference to Figure 1 of the drawings. It will be seen that by turning the shafts 29 the block 3 will be caused to descend, and a further descent of the block 3 can be obtained by the turning of the screw shafts 12<sup>1</sup> by means of the polygonally jawed spanners 10.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. An improvement or modification of the machine for making cardboard show cards or tickets according to my previous British Patent 26,662 of 1910 in which punches carried by a composing stick are caused to descend by the operation of a pair of screw shafts which act indirectly on the punches through the intermediary of pivoted levers on a fixed beam, the shafts being squared and provided with turning keys having a number of internal notches adapted to engage at a different number of relative positions with said squared shafts, substantially as described.
2. A machine for making cardboard show cards or tickets as claimed in Claim 1, characterised by the feature that the pivoted levers carry eccentric cams displaceable by hand when desired to cause a descent of the plate above the composing stick carrying the punches, substantially as described.
3. An improvement in or modification of the machine for making cardboard show cards or tickets according to my previous British Patent No. 26,662 of 1910, in which a pair of screw shafts which operate indirectly on the punch through the intermediary of pivoted levers have eccentrics bearing on a displaceable plate over the punch so that a partial descent of the punch may first be effected by turning the eccentrics and then completed by the operation of the screw shafts, substantially as described.
4. A machine for making cardboard show cards or tickets as claimed in Claim 1 or 3, characterised by the feature that an indicating scale is provided for the composing stick, substantially as described.
5. A machine for making cardboard show cards or tickets of the kind formed by character punches having cutting edges which impress into a cardboard foundation characters formed of paper, constructed and arranged to operate substantially as described with reference to the accompanying drawings.

Dated this 2nd day of September, 1913.

W. P. THOMPSON & Co.,  
6, Lord Street, Liverpool, and at  
Bradford and London,  
Agents for the Applicant.

A.D. 1913. REP. 9. N° 20,319.  
LÉVEQUES COMPLETE SPECIFICATION.

( 1 SHEET )

[This Drawing is a reproduction of the Original on a reduced scale]

Fig. 1

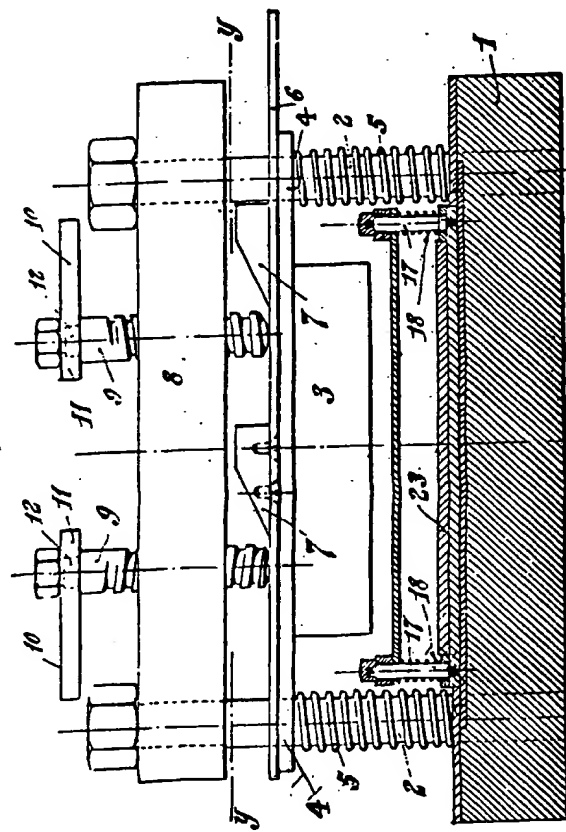


Fig. 3

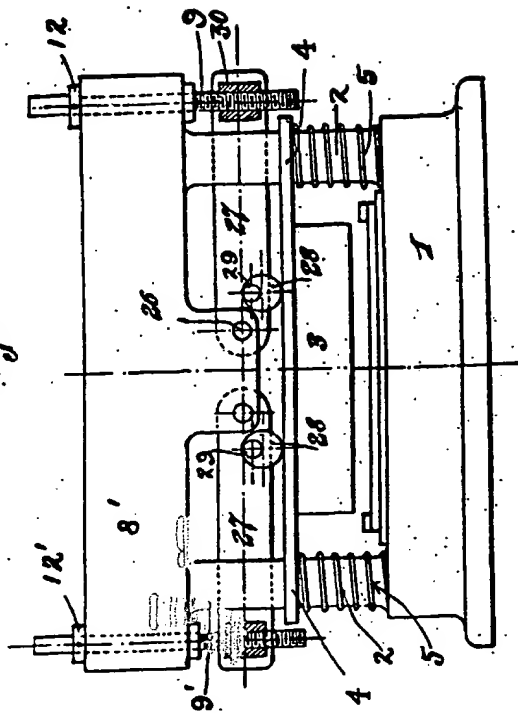


Fig. 5

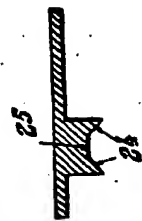


Fig. 4

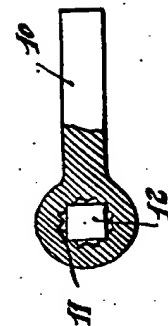
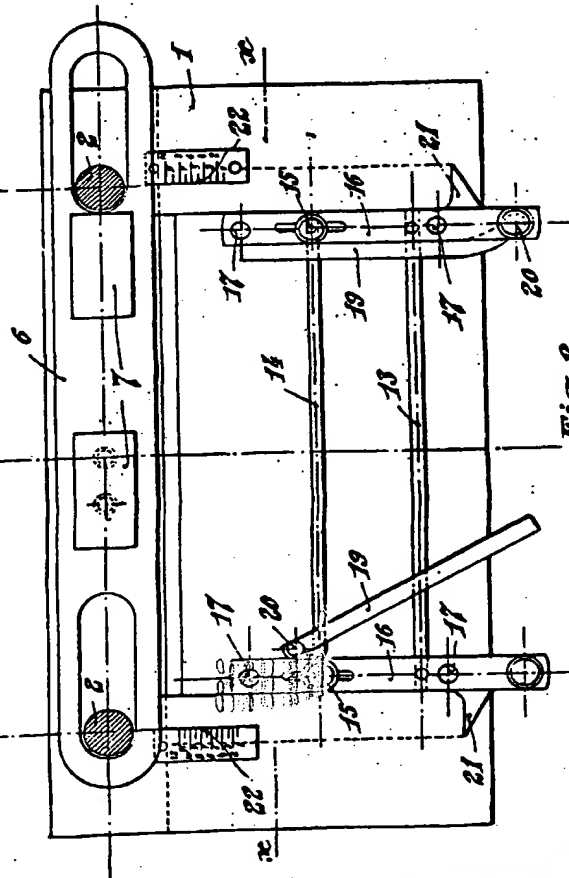


Fig. 2



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